DaimlerChrysler AG

Abstract

The invention relates to a method for operating a compression-ignition internal combustion engine, which a mean gas temperature in the cylinder is determined during combustion operation a combustion chamber, so that a gradient of the mean gas temperature is calculated. Then, the untreated nitrogen oxide emission level from the internal combustion engine is determined either from a value for the gradient of the mean gas temperature and/or from a maximum value for the mean gas temperature in the cylinder. Accordingly, the engine parameters are set in that a manner a profile of the temperature with which fewer NOx emissions are formed is produced during combustion.